

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20050179196"	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 14:03
S2	851	271/226.ccls. or 271/227.ccls.	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 07:53
S3	750	S2 @py<"2004"	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 07:53
S4	30	S3 suction with roller	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 09:36
S5	7	US-1728329-\$.DID. OR US-2167823-\$.DID. OR US-4184673-\$.DID. OR US-6446959-\$.DID. OR US-6505831-\$.DID.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/09 09:37
S6	4	"2735711"	DERWENT	AND	ON	2007/01/09 10:32
S7	4	"2717554"	DERWENT	AND	ON	2007/01/09 10:34
S8	8	"1110656"	DERWENT	AND	ON	2007/01/09 10:35
S9	1728	271/96.ccls. or 271/102.ccls. or 271/103.ccls. or 271/112.ccls. or 271/196.ccls. or 271/245.ccls. or 271/250.ccls. or 271/236.ccls.	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 10:47
S10	1642	S9 @py<"2004"	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 10:47
S11	263	S10 (suction or vacuum) with roller	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 11:18
S12	32	S10 (suction or vacuum) adj roller	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 10:53
S13	6	"3007249"	DERWENT	AND	ON	2007/01/09 10:53
S14	13	S10 (suction or vacuum) with roller with (pause or interrupt or break or gap or half)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 11:20
S15	14	"4184673"	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 11:36
S16	143	271/102.ccls. @py<"2004"	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 13:57

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S17	16	S16 suction with roller	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 13:59
S18	167	271/96.ccls. @py<"2004"	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 14:00
S19	27	S18 suction with roller	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 14:11
S20	5	("2167823").URPN.	USPAT	AND	ON	2007/01/09 14:04
S21	284	271/250.ccls. @py<"2004"	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 14:11
S22	13	S21 suction with roller	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 14:46
S23	1	"7121545".pn.	US-PGPUB; USPAT; JPO	AND	ON	2007/01/09 14:46
S24	15	("3120180"   "3743277"   "4060237"   "4164349"   "4184673"   "4188027"   "4591143"   "4648589"   "4693463"   "5322012"   "5820123"   "6364311"   "6446959"   "6454256").PN. OR ("7121545"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/10 08:55
S25	743	271/250.ccls. or 271/248.ccls. or 271/249.ccls. or 271/236.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/10 08:20
S26	4	S25 "side pull lay"	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/10 08:29
S27	8	"271"/\$.ccls. "side pull lay"	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/10 08:30
S28	4	S27 not S26	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/10 08:52
S29	8	S27 suct\$4	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/10 08:31
S30	2	S27 (suct\$4 with roller)	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/10 08:31

## EAST Search History

S31	15	("3120180"   "3743277"   "4060237"   "4164349"   "4184673"   "4188027"   "4591143"   "4648589"   "4693463"   "5322012"   "5820123"   "6364311"   "6446959"   "6454256").PN. OR ("7121545").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/10 08:55
S32	3	S31 suct\$3 with roller	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/10 08:56
S33	13	S31 suct\$3	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/10 08:56
S34	10	S33 not S32	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/10 08:57
S35	1	"4615520".pn.	US-PGPUB; USPAT; JPO	AND	ON	2007/01/10 09:44
S36	1	"4743277".PN.	USPAT; USOCR	AND	ON	2007/01/10 09:47
S37	50	(US-20050179196-\$).did. or (US-5419256-\$ or US-4615520-\$ or US-5895037-\$ or US-4588184-\$ or US-4269405-\$ or US-4436299-\$ or US-5699736-\$ or US-5265868-\$ or US-5464203-\$ or US-5685534-\$ or US-5984296-\$ or US-6155554-\$ or US-3893664-\$ or US-4276797-\$ or US-4564184-\$ or US-4991831-\$ or US-5415098-\$ or US-5611272-\$ or US-5838354-\$ or US-6042228-\$ or US-5505599-\$ or US-5700495-\$ or US-4495746-\$ or US-4505467-\$ or US-4865677-\$ or US-5785310-\$). did. or (US-6179550-\$ or US-6502815-\$ or US-5423255-\$ or US-5639082-\$ or US-4591143-\$ or US-5447300-\$ or US-5915682-\$ or US-6196435-\$ or US-4345752-\$ or US-5193794-\$ or US-5329852-\$ or US-RE35495-\$ or US-5624020-\$ or US-4164349-\$ or US-4071234-\$ or US-4257586-\$ or US-4265979-\$ or US-4283185-\$ or US-4330117-\$ or US-4380331-\$ or US-4380990-\$ or US-4494745-\$ or US-4542867-\$). did.	US-PGPUB; USPAT	AND	ON	2007/01/10 10:40
S38	43	"271"/\$.ccls. (spaced adj line)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 09:16

## EAST Search History

S39	1984	"271"/\$.ccls. (guide with line)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 09:17
S40	24	"271"/\$.ccls. (guide adj line)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 09:37
S41	1088	"271"/\$.ccls. (align\$4 with line)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 09:37
S42	1088	"271"/\$.ccls. (align\$4 with lines)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 09:38
S43	418	"271"/\$.ccls. (alignment with lines)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 09:38
S44	29	"271"/\$.ccls. (alignment adj lines)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 09:38
S45	525	271/248.ccls. or 271/249.ccls. or 271/250.ccls.	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 09:49
S46	2	S45 (two with suction with segment)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 09:50
S47	8	S45 (two adj suction)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 09:53
S48	1	"3942787".pn.	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 09:56
S49	1	"20020043758"	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 09:53
S50	3	"271"/\$.ccls. (suction adj segment)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 09:57
S51	986	"271"/\$.ccls. (two with suction)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 09:58
S52	17	"271"/\$.ccls. (two adj suction with hole)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 10:00
S53	164	"271"/\$.ccls. (suction adj roller)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 10:47

## EAST Search History

S54	0	"271"/\$.ccls. ((suction adj roller) with ((irregular or oblong or abnormal) adj roller))	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 10:14
S55	31	"271"/\$.ccls. (suction with hole with opposite)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/11 10:47
S56	0	("2004/0084837").URPN.	USPAT	AND	ON	2007/01/11 10:48
S57	31	("20020046667"   "20030189287"   "3986455"   "4127265"   "4145040"   "4202268"   "4202542"   "4204471"   "4334473"   "4437659"   "4440388"   "5172634"   "5183252"   "5241907"   "5291260"   "5329301"   "5383001"   "5456458"   "5480137"   "5480138"   "5542659"   "6038976"   "6209867"   "6450496"   "6454259"   "6561510"   "6578846"   "6581517"   "6659456"   "6722652"   "6896258").PN. OR ("7150456").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/11 10:49
S58	3	("4122773"   "4378734"   "5431386").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/11 10:52
S59	2	("4052054"   "4143755").PN. OR ("4430937").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/01/11 11:33
S60	2	"271"/\$.ccls. (tolerance adj strip)	US-PGPUB; USPAT; JPO	AND	ON	2007/01/12 07:47
S61	391	"271"/\$.ccls. bevel	US-PGPUB; USPAT; JPO	AND	ON	2007/01/12 07:47
S62	341	"271"/\$.ccls. bevel @py<"2003"	US-PGPUB; USPAT; JPO	AND	ON	2007/01/12 07:48
S63	2	"271"/\$.ccls. "bevel drive gear" @py<"2003"	US-PGPUB; USPAT; JPO	AND	ON	2007/01/12 07:48
S64	6	US-2167823-\$.DID. OR DE-2717554-\$.DID. OR DE-10055584-\$.DID. OR DE-1110656-\$.DID. OR DE-2735711-\$.DID. OR DE-653308-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/07/08 10:18
S65	1	"6446959".PN.	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/08 10:22

## EAST Search History

S66	5	("4260149"   "4264068"   "4533134"   "4597143").PN. OR ("6446959").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/07/08 10:24
S68	1827	((suction or vacuum) adj roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 11:32
S69	327	S68 "271"/\$.ccls.	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 08:51
S70	10	S68 "271"/\$.ccls. ((eccentric or "off-center") with roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 09:01
S71	71	S68 ((eccentric or "off-center") with roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 09:01
S72	61	S71 not S70	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 09:01
S73	4	((suction or vacuum) adj roller) with eccentric	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 09:51
S74	4	eccentric with ((suction or vacuum) adj roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 09:51
S75	1309	(suction adj roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 09:52
S76	175	(suction adj roller) with above	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 09:52
S77	51	(suction adj roller) with above "271"/\$.ccls.	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 09:53
S78	23	(suction adj roller) near4 above "271"/\$.ccls.	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 09:53

## EAST Search History

S79	43	("1861605"   "20040056410"   "20050040584"   "20050189696"   "20060071394"   "3100110"   "3403903"   "4345752"   "4541624"   "4610444"   "4648587"   "4739982"   "4768769"   "4824308"   "4950128"   "5071110"   "5090676"   "5096179"   "5234207"   "5391051"   "5431384"   "5542816"   "5553841"   "5803447"   "5836582"   "5884907"   "5893554"   "6010125"   "6082728"   "6135437"   "6155555"   "6176481"   "6402134"   "6481705"   "6485010"   "6488277"   "6543759"   "6669187"   "6688594"   "6773006").PN. OR ("7198264").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/07/20 09:54
S80	2	((suction or vacuum) adj roller) with (half adj revolution)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 11:34
S81	0	((suction or vacuum) adj roller) with (partial adj revolution)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 11:34
S82	0	((suction or vacuum) adj roller) with (third adj revolution)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 11:34
S83	0	((suction or vacuum) adj roller) with (quarter adj revolution)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 11:34
S84	23	((suction or vacuum) adj roller) with revolution	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 11:35
S85	3	((suction or vacuum) adj roller) with (half with revolution)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/20 11:35

## EAST Search History

S86	26	("3863912"   "4019733"   "4043550"   "4171131"   "4184673"   "4232859"   "4272069"   "4529294"   "4588184"   "4591143"   "4613125"   "4669721"   "4786045"   "4844440"   "4877234"   "4984778"   "5050857"   "5072926"   "5156392"   "5219159"   "5267728"   "5273274"   "5322012"   "RE33843").PN. OR ("6505831"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/07/25 09:52
S87	18	"271"/\$.ccls. (displacement with (transverse or side or across)) ((suction or vacuum) adj roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/25 10:19
S88	1	"209"/\$.ccls. (displacement with (transverse or side or across)) ((suction or vacuum) adj roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/25 10:19
S89	1	"271"/\$.ccls. ((suction adj roller) with alignment) (register near4 mark)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 11:05
S90	9	"271"/\$.ccls. ((suction adj roller) with alignment)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 11:22
S91	0	"209"/\$.ccls. ((suction adj roller) with alignment)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 11:21
S92	25	"271"/\$.ccls. (roller with (side adj alignment))	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 11:22
S93	6	"271"/\$.ccls. (roller with (side adj alignment)) suction	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 11:23
S94	2	"271"/\$.ccls. (roller with (side adj alignment)) (suction with roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 11:23
S95	2189	271/91,92,93,94,96,103,104,107, 112,231.ccls.	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 11:31



## EAST Search History

S96	56	271/91,92,93,94,96,103,104,107,112,231.ccls. (suction adj roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 11:34
S97	75	S95 alignment with suction	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 11:33
S98	10	S95 (side with alignment) with suction	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 11:33
S99	2189	271/91,92,93,94,96,103,104,107,112,231.ccls.	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 12:46
S100	56	S99 (suction adj roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 12:46
S101	12	S99 (suction adj roller) transverse	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 12:47
S102	1	"4579330".pn.	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 12:47
S103	101	S99 ((longitudinal or long) with roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 12:51
S104	57	S99 (longitudinal with roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 12:52
S105	1	S99 (longitudinal adj roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 12:52
S106	20	S99 (longitudinal near4 roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 13:43
S107	153	S99 (roller with (transverse or perpendicular or cross))	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 13:44

## EAST Search History

S108	46	S99 (roller with (transverse or perpendicular or cross)) alignment	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 14:44
S109	3	S99 (roller with (transverse or perpendicular or cross)) with alignment	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 13:45
S110	19	"271"/\$.ccls. (((suction or vacuum) adj (roller or cylinder)) with (transverse or perpendicular))	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 13:50
S111	62	"271"/\$.ccls. (((suction or vacuum) adj (roller or cylinder)) with (parallel or align\$4))	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 14:19
S112	2	"271"/\$.ccls. ((suction or vacuum) adj (roller or cylinder)) (register with mark)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 14:19
S113	18	"271"/\$.ccls. ((suction or vacuum) adj (roller or cylinder)) (register with side)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/26 14:19
S114	147	"271"/\$.ccls. (table or flat) align\$4 ((suction or vacuum) adj (roller or cylinder))	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 08:33
S115	0	"271"/113.ccls. (table or flat) align\$4 ((suction or vacuum) adj (roller or cylinder))	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 08:34
S116	1	"271"/113.ccls. ((suction or vacuum) adj (roller or cylinder))	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 08:59
S117	295	"271"/113.ccls.	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 08:59
S118	199	"271"/113.ccls. roller	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 08:59
S119	205	"271"/113.ccls. (roller or cylinder)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 09:07

## EAST Search History

S12 0	0	"271"/113.ccls. (roller or cylinder) ((cross with path) or crosspath)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 09:07
S12 1	56	"271"/113.ccls. (roller or cylinder) align\$4	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 09:13
S12 2	27	"271"/113.ccls. (roller or cylinder) (side with align\$4)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 09:17
S12 3	1	"271"/113.ccls. (roller or cylinder) (side adj align\$4)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 09:14
S12 4	10	"271"/113.ccls. ((roller or cylinder) with (side with align\$4))	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 09:17
S12 5	17	S122 not S124	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 09:26
S12 6	12	("3743277"   "3942787"   "4588184"   "4615520"   "4702469"   "5094442"   "5527027"   "5938193"   "5947469"   "6027850"   "6213282"   "6264196").PN. OR ("7156390").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/07/27 10:42
S12 7	151	"271"/\$.ccls. (((run\$4 or travel\$3) with roller) with longitudinal)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 13:01
S12 8	3	"271"/\$.ccls. (((run\$4 or travel\$3) with (roller or cylinder)) with longitudinal ((suction or vacuum) adj (roller or cylinder))	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 11:16
S12 9	669	"271"/231,236,237,151.ccls.	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 13:01
S13 0	834	"271"/231,236,237,151,13,15,17. ccls.	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 13:02

## EAST Search History

S13 1	405	S130 roller	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 13:02
S13 2	447	S130 (roller or cylinder)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 13:02
S13 3	22	S130 ((suction or vacuum) adj (roller or cylinder))	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 13:02
S13 4	8	"271"/\$.ccls. "side pull lay"	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 13:25
S13 5	7	"271"/\$.ccls. "side pull lay" roller	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 13:08
S13 6	52	"271"/\$.ccls. "side pull"	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 13:26
S13 7	45	"271"/\$.ccls. "side pull" roller	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 13:46
S13 8	19	"271"/\$.ccls. ("side pull" with roller)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 13:29
S13 9	48	"271"/\$.ccls. "side pull" (roller or cylinder)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 13:46
S14 0	22	"271"/\$.ccls. ("side pull" with (roller or cylinder))	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 13:47
S14 1	929	271/250-252.ccls.	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 14:07
S14 2	10	S141 "side pull"	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 14:22

## EAST Search History

S14 3	464	271/251.ccls.	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 14:23
S14 4	345	271/250.ccls.	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 14:23
S14 5	163	271/252.ccls.	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/07/27 14:23
S14 6	15	("3120180"   "3743277"   "4060237"   "4164349"   "4184673"   "4188027"   "4591143"   "4648589"   "4693463"   "5322012"   "5820123"   "6364311"   "6446959"   "6454256").PN. OR ("7121545"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/01 10:14
S14 7	0	271/250-252.ccls. (((suction or vacuum) adj (roller or cylinder)) with long)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/08/01 10:25
S14 8	11	271/250-252.ccls. ((suction or vacuum) adj (roller or cylinder))	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/08/01 10:27
S14 9	32	"271"/\$.ccls. (((suction or vacuum) adj (roller or cylinder)) with length)	US-PGPUB; USPAT; USOCR; JPO	AND	ON	2007/08/01 10:27